

To: Way, Steven[way.steven@epa.gov]; Wharton, Steve[Wharton.Steve@epa.gov]; Fagen, Elizabeth[Fagen.Elizabeth@epa.gov]; Wall, Dan[wall.dan@epa.gov]
Cc: Lewis, Brent[b1lewis@blm.gov]
From: Schmittdiel, Paula
Sent: Wed 7/22/2015 3:01:57 PM
Subject: RE: Upper Animas Investigation - RI / Removal Evaluation development Support

Thanks Steve – this will be useful in our discussions today.

Paula Schmittdiel

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From: Way, Steven
Sent: Tuesday, July 21, 2015 10:37 PM
To: Wharton, Steve; Schmittdiel, Paula; Fagen, Elizabeth; Wall, Dan
Cc: Lewis, Brent
Subject: Upper Animas Investigation - RI / Removal Evaluation development Support

Hi Folks,

As a basic objective for the support from START, I have the follow thoughts and specific tasks that would assist the team with scoping various next steps including focusing the USACE contractor efforts.

Generally, it appears that there is a need to evaluate / analyze the existing data EPA and others have developed for the Upper Animas river reaches and portions of the Cement Ck. Specifically the data in SCRIBE and the USGS reporting need to be synthesized / summarized relative loading within given reaches and then associated with potential source terms (mine waste, mine tunnel discharges, tributaries, diffuse loads – groundwater (impacted and natural.) This will allow some prioritization of river segments based on seasonal water quality data analysis coupled with Eco tox evaluations. Some of this work is well underway from ESAT's tasking, and now is ready to consolidate / summarize the findings in a report.

The assessment of the WQ data in Scribe and historical USGS water quality data needs to be compared to historically collected data presented in the UAA report and other sources (e.g. DRMS/DMG Abandoned mines – Appx 10, Reporting from SGC / DMG permitted areas, ARSG Priority List, BLM assessments) regarding known potential sources terms.

Attached is a basic recommendation of the scope and deliverables. **Personal Matters/Ex. 6** but that's where I would begin with START and we can get that underway very quickly. If you want to have initial portions of an RI drafted that's an option, but this analysis will help focus some next steps.

Talk with you later,

Steve

Steven Way

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